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DIALOG(R) File 351:Derwent WPI

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Cantilever prodn. from tapered aluminium cantilever - by changing anodisation layer thickness in step or taper form by dipping gradually into anodising soln.

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Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 55064602	A	19800515				198026 B
JP 84021082	B	19840517				198424

Priority Applications (No Type Date): JP 78137646 A 19781108

Abstract (Basic): JP 55064602 A

Cantilever is produced from taper-form Al cantilever which is obtd., in anodising process, by changing the anodisation layer thickness in steps form or taper form by gradually hanging down the cantilever pipe in anodising soln. fluorohydrocarbon polymer is impregnated in the anodisation layer.

Middle or high frequency properties in frequency characteristics are improved and cantilever becomes hardly broken.

In an example, an al pipe was cleaned with NaOH soln. for 1 min., which was anodised in 120 g/l H2SO4 aq. soln. with 20-90 V, 20-60 A. The anodisation layer thickness was controlled by extending the anodisation period. The layer had numerous pores produced from current passing. The layer was washed, neutralised and then impregnated with fluorohydrocarbon polyme by immersing it at 70-90 degrees C in aq. dispersion of e.g. PTFE etc. for 20-30 min.

Title Terms: CANTILEVER; PRODUCE; TAPER; ALUMINIUM; CANTILEVER; CHANGE; ANODISE; LAYER; THICK; STEP; TAPER; FORM; DIP; GRADUAL; ANODISE; SOLUTION

Derwent Class: A85; L03

International Patent Class (Additional): G11B-003/50

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